

CERTIFICATE OF CONFORMITY



Issued to: EcoFlow Inc.
RM 401, Plant #1, Runheng Industrial Zone, Fuyuan Road, Zhancheng Community,
Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

For the product: EcoFlow PowerOcean Hybrid Inverter

Trade name:  or **ECOFLOW**

Type/Model: EF HD-P1-3K-S1, EF HD-P1-3.68K-S1, EF HD-P1-4.6K-S1,
EF HD-P1-5K-S1, EF HD-P1-6K-S1

Ratings: See Annex

Manufactured by: EcoFlow Inc.
RM 401, Plant #1, Runheng Industrial Zone, Fuyuan Road, Zhancheng Community,
Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Requirements: EN 50549-1:2019, I.S. EN 50549-1:2019 (With specific deviations of Annex A
National settings and requirements A.13 IE – Ireland of EN 50438:2013)
DTIS-230206-BRL:2021
DOC-030221-GAP:2022

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6182214.50.

The examination has been carried out on one single specimen of the product. The Attestation does not include an assessment of the manufacturer's production. Conformity of this production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 2029-06-21 or expires upon withdrawal of one of the above mentioned standards.

Arnhem, 21 June 2024

Number: 6182214.01COC

DEKRA Testing and Certification (Shanghai) Ltd.


Cliff Lin
Certification Manager



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PCA-141

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ESA-CER-F021 v4.1

Ratings of the test product:

Specifications table					
Model	EF HD-P1-3K-S1	EF HD-P1-3.68K-S1	EF HD-P1-4.6K-S1	EF HD-P1-5K-S1	EF HD-P1-6K-S1
Input:					
Vmax PV (Vdc)	600				
MPPT Voltage Range (Vdc)	90-520				
Isc PV (absolute Max.) (A)	20 / 20				
Number of MPP trackers	2				
Max. PV input current (A)	18 / 18				
Battery Port (charge / discharge):					
Battery type	Li-ion				
Battery Nominal Voltage (V)	790				
Max Battery Voltage (V)	800				
Rated Current (A)	7.6	7.6	7.6	7.6	7.6
Max. Current (A)	7.6	7.6	7.6	7.6	8.4
AC Grid (output and input):					
Normal AC Voltage (Vac)	L/N/PE, 220 / 230 / 240 Vac				
Frequency (Hz)	50 / 60				
Max. output / input current (A)	15 / 16	18.4 / 19.7	23 / 24.6	25 / 26.7	30 / 32
Rated output Current (A)	13.1	16.0	20	21.7	26.1
Nominal output Power (W)	3000	3680	4600	5000	6000
Max. apparent output Power (VA)	3000	3680	4600	5000	6000
Power factor(adjustable)	-0.8...1...+0.8				
AC Load output:					
Normal Voltage (Vac)	L/N/PE, 220 / 230 / 240 Vac				
Frequency (Hz)	50 / 60				
Max. output Current (A)	16	19.7	24.6	26.7	32
Rated output Current (A)	13.1	16.0	20	21.7	26.1
Nominal output Power (W)	3000	3680	4600	5000	6000
Max. apparent output Power (VA)	3000	3680	4600	5000	6000
Others:					
Ingress protection (IP)	IP65				
Protective class	Class I				
Temperature (°C)	-20°C to +50°C				
Inverter Isolation	Non-isolated				
Overvoltage category	OVC III (AC Main), OVC II (DC)				

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